

SLU.P.0002

**CLAIMS**

What is claimed is:

- 1     1.   A air treatment unit comprising:
  - 2             a module power socket;
  - 3             an air treatment duct having an interior defining an air path; and
  - 4             a light module that selectively engages said air treatment duct, said light module
  - 5             comprising:
    - 6                 a housing having a baffle, said baffle extending across said air path when
    - 7                 said light module engages said air treatment duct;
    - 8                 an integral ultraviolet light source and light source socket, said ultraviolet
    - 9                 light source being fixed to and extending through said baffle, such that said
    - 10                interior of said air treatment duct is exposed to ultraviolet light from said
    - 11                ultraviolet light source when said light module engages said air treatment duct and
    - 12                said ultraviolet light source is powered; and
    - 13                a connector that selectively mates with said module power socket, said
    - 14                connector being in power transmissive communication with said light source
    - 15                socket, wherein, when said light module selectively engages said air treatment duct
    - 16                and said connector selectively mates with said module power socket, said light
    - 17                module cannot be fully removed from its engagement with said air treatment duct.
- 1     2.   The air treatment unit of claim 1, wherein said housing of said light module includes a
- 2             connector flange having an aperture that aligns with said module power socket when
- 3             said light module engages said air treatment duct.
- 1     3.   The air treatment unit of claim 1, wherein said ultraviolet light source provides UV
- 2             energy corresponding to a wavelength of from about 100 to about 280 nanometers.